

CCT in Anaesthetics

Assessment Blueprint

Edition 2
August 2010
Version 1.6

**The Royal College of
Anaesthetists**



Table of Contents

| | |
|--|-----------|
| <u>Assessment method decode</u> | 3 |
| FRCA Fellowship Examination | 4 |
| Blueprint of the Primary FRCA examination mapped against the basic level units of training | 4 |
| Blueprint of the Primary FRCA examination mapped against the professionalism of medical practice [Annex A] | 6 |
| Blueprint of the Final FRCA examination mapped against the basic level units of Training | 7 |
| Blueprint of the Final FRCA examination mapped against the intermediate level units of training | 8 |
| Blueprint of the Final examination mapped against the professionalism of medical practice [Annex A] | 9 |
| Workplace Based Assessments | 10 |
| Basic level units of training | 10 |
| Intermediate level units of training | 11 |
| Higher level units of training | 12 |
| Advanced level units of training | 13 |

| Assessment method decode | |
|---------------------------------|--|
| A | Anaesthesia Clinical Evaluation Exercise [A-CEX] |
| C | Case Based Discussion [CBD] |
| D | Direct Observation of Procedural Skills [DOPS] |
| E | Examination |
| I | Intensive Care Medicine Clinical Evaluation Exercise [I-CEX] |
| L | Anaesthesia List Management Assessment Tool [ALMAT] |
| M | Multi-source Feedback [MSF] |
| MCQ | Multiple Choice Question |
| OSCE | Objective Structured Clinical Exercise |
| S | Simulation |
| SAQ | Short Answer Questions |
| SOE | Structured Oral Examination |
| T | Acute Care Assessment Tool [ACAT] |

FRCA Fellowship Examinations

Blueprint of the Primary FRCA examination mapped against the basic level units of training

| Unit of Training | MCQ | OSCE | SOE 1 | SOE 2 |
|---|-----|------|-------|-------|
| Preoperative assessment | √ | √ | √** | √ |
| Premedication | √ | √ | √ | √ |
| Induction of general anaesthesia | √ | √ | √ | √ |
| Intra-operative care including sedation | √ | √ | √ | √ |
| Postoperative and recovery room care | √ | √ | √ | √ |
| Introduction to anaesthesia for emergency surgery | √ | √ | √ | √ |
| Transfer medicine | | √ | | √ |
| Management of respiratory and cardiac arrest | √ | √ | √ | √ |
| Control of infection | √ | √ | √ | √*** |
| Academic and research | | √* | | |
| Airway management | √ | √ | | √ |
| Critical incidents | √ | √ | | √ |
| Day surgery | √ | √ | √ | √ |
| General, urological and gynaecological surgery | √ | √ | | √ |
| ENT, maxillo-facial and dental surgery | √ | √ | | √ |
| Intensive care medicine | √ | √ | √ | √ |
| Non-theatre | √ | √ | | √ |
| Obstetrics | √ | √ | √ | √ |
| Orthopaedic surgery | √ | √ | | √ |
| Sedation | √ | √ | √ | √ |
| Paediatrics including child protection | √ | √ | √ | √ |
| Pain medicine | √ | √ | √ | √ |
| Regional | √ | √ | √ | √ |
| Trauma and stabilisation | √ | √ | | √ |
| Anatomy | √ | √ | | |
| Physiology and biochemistry | √ | √ | √ | √*** |
| Pharmacology | √ | √ | √ | √*** |
| Physics and Clinical measurement | √ | √ | | √ |
| Statistical methods | √ | | √ | |

OSCE: * Communicates risk information, and risk-benefit trade-offs, in ways appropriate for individual patients.

SOE1: ** All the drugs patients may be on preoperatively.

SOE2: *** Partially covered

Blueprint of the Primary FRCA examination mapped against the professionalism of medical practice [Annex A]

| Domain | MCQ | OSCE | SOE 1 | SOE 2 |
|---|-----|------|-------|-------|
| Domain 1 – Professional attitudes | | | | |
| a. Commitment | | ✓ | | ✓ |
| b. Compassion | | ✓ | | ✓ |
| c. Honesty and integrity | | ✓ | | ✓ |
| d. Respect for others | | ✓ | | ✓ |
| e. Community | | ✓ | | ✓ |
| f. Competence | | ✓ | | ✓ |
| Domain 2 – Clinical practice | | ✓ | | ✓ |
| Domain 5 – Innovation | ✓ | ✓ | ✓ | ✓ |
| Domain 8 - Safety in clinical practice | | ✓ | ✓ | ✓ |
| Domain 9 - Medical ethics and confidentiality | | ✓ | | ✓ |
| Domain 10 – Relationships with patients | | ✓ | | ✓ |
| Domain 11 – Legal framework for practice | | | | ✓ |
| Domain 13 – Alcohol and other drugs | ✓ | ✓ | ✓ | ✓ |

Blueprint of the Final FRCA examination mapped against the basic level units of training

| Unit of Training | MCQ | SAQ | SOE 1 | SOE 2 |
|---|-----|-----|-------|-------|
| Preoperative assessment | ✓ | ✓ | ✓ | ✓ |
| Premedication | ✓ | ✓ | ✓ | ✓ |
| Induction of general anaesthesia | ✓ | ✓ | ✓ | ✓ |
| Intra-operative care including sedation | | | | |
| Postoperative and recovery room care | ✓ | ✓ | ✓ | ✓ |
| Introduction to anaesthesia for emergency surgery | | | | |
| Transfer medicine | ✓ | ✓ | ✓ | ✓ |
| Management of respiratory and cardiac arrest | ✓ | ✓ | ✓ | ✓ |
| Control of infection | ✓ | ✓ | ✓ | ✓ |
| Academic and research | ✓ | ✓ | | ✓ |
| Airway management | ✓ | ✓ | ✓ | ✓ |
| Critical incidents | ✓ | ✓ | ✓ | ✓ |
| Day surgery | ✓ | ✓ | ✓ | ✓ |
| General, urological and gynaecological surgery | ✓ | ✓ | ✓ | ✓ |
| ENT, maxillo-facial and dental surgery | ✓ | ✓ | ✓ | ✓ |
| Intensive care medicine | ✓ | ✓ | ✓ | ✓ |
| Non-theatre | ✓ | ✓ | ✓ | ✓ |
| Obstetrics | ✓ | ✓ | ✓ | ✓ |
| Orthopaedic surgery | ✓ | ✓ | ✓ | ✓ |
| Sedation | ✓ | ✓ | ✓ | ✓ |
| Paediatrics including child protection | ✓ | ✓ | ✓ | ✓ |
| Pain medicine | ✓ | ✓ | ✓ | ✓ |
| Regional | ✓ | ✓ | ✓ | ✓ |
| Trauma and stabilisation | ✓ | ✓ | ✓ | ✓ |
| Anatomy | ✓ | ✓ | | ✓ |
| Physiology and biochemistry | ✓ | ✓ | | ✓ |
| Pharmacology | ✓ | ✓ | | ✓ |
| Physics and Clinical measurement | ✓ | ✓ | | ✓ |
| Statistical methods | ✓ | ✓ | | ✓ |

Blueprint of the Final FRCA examination mapped against the intermediate level units of training

| Unit of Training | MCQ | SAQ | SOE 1 | SOE 2 |
|---|-----|-----|-------|-------|
| Essential Units | | | | |
| Anaesthesia for neurosurgery, neuroradiology and neurocritical care | ✓ | ✓ | ✓ | ✓ |
| Cardiac/Thoracic | ✓ | ✓ | ✓ | ✓ |
| General duties | | | | |
| Airway management | ✓ | ✓ | ✓ | ✓ |
| Critical incidents | ✓ | ✓ | ✓ | ✓ |
| Day surgery | ✓ | ✓ | ✓ | ✓ |
| General, urological and gynaecological surgery | ✓ | ✓ | ✓ | ✓ |
| ENT, maxillo-facial and dental surgery | ✓ | ✓ | ✓ | ✓ |
| Management of respiratory and cardiac arrest | ✓ | ✓ | ✓ | ✓ |
| Non-theatre | ✓ | ✓ | ✓ | ✓ |
| Orthopaedic surgery | ✓ | ✓ | ✓ | ✓ |
| Regional | ✓ | ✓ | ✓ | ✓ |
| Sedation | ✓ | ✓ | ✓ | ✓ |
| Transfer medicine | | ✓ | ✓ | ✓ |
| Trauma and stabilisation | ✓ | ✓ | ✓ | ✓ |
| Intensive care medicine | ✓ | ✓ | ✓ | ✓ |
| Obstetrics | ✓ | ✓ | ✓ | ✓ |
| Paediatric | ✓ | ✓ | ✓ | ✓ |
| Pain medicine | ✓ | ✓ | ✓ | ✓ |
| Optional Units | | | | |
| Ophthalmic | ✓ | ✓ | ✓ | ✓ |
| Plastics/Burns | ✓ | ✓ | ✓ | ✓ |
| Vascular | ✓ | ✓ | ✓ | ✓ |
| Advanced sciences to underpin anaesthetic practice | | | | |
| Anatomy | ✓ | ✓ | | ✓ |
| Applied clinical pharmacology | ✓ | ✓ | ✓ | ✓ |
| Applied physiology and biochemistry | ✓ | ✓ | ✓ | ✓ |
| Nutrition | ✓ | ✓ | | ✓ |
| Physics and clinical measurement | ✓ | ✓ | | ✓ |
| Statistical basis for trial management | ✓ | ✓ | | ✓ |

Blueprint of the Final FRCA examination mapped against professionalism of medical practice [Annex A]

| Domain | MCQ | SAQ | SOE1 | SOE2 |
|---|-----|-----|------|------|
| Domain 1 – Professional attitudes | | | | |
| a. Commitment | ✓ | ✓ | ✓ | ✓ |
| b. Compassion | ✓ | ✓ | ✓ | ✓ |
| c. Honesty and integrity | ✓ | ✓ | ✓ | ✓ |
| d. Respect for others | ✓ | ✓ | ✓ | ✓ |
| e. Community | ✓ | ✓ | ✓ | ✓ |
| f. Competence | ✓ | ✓ | ✓ | ✓ |
| Domain 2 – Clinical practice | ✓ | ✓ | ✓ | ✓ |
| Domain 5 – Innovation | ✓ | ✓ | ✓ | ✓ |
| Domain 8 – Safety in clinical practice | ✓ | ✓ | ✓ | ✓ |
| Domain 9 – Medical ethics and confidentiality | ✓ | ✓ | ✓ | ✓ |
| Domain 10 – Relationships with patients | ✓ | ✓ | ✓ | ✓ |
| Domain 11 – Legal framework for practice | ✓ | ✓ | ✓ | ✓ |
| Domain 12 – Information technology | ✓ | ✓ | ✓ | ✓ |
| Domain 13 – Alcohol and other drugs | ✓ | ✓ | ✓ | ✓ |

Blueprint for workplace based assessments against the basic level units of training

| Unit of Training | A-CEX | ALMAT | CBD | DOPS |
|---|-------------|-------|-----|------|
| The basis of anaesthetic practice | | | | |
| Preoperative assessment | √ | | √ | √ |
| History taking | √ | | √ | √ |
| Clinical examination | √ | | √ | √ |
| Specific anaesthetic evaluation | √ | | √ | √ |
| Premedication | √ | | √ | √ |
| Induction of general anaesthesia | √ | | √ | √ |
| Intra-operative care including sedation | √ | | √ | √ |
| Postoperative and recovery room care | √ | | √ | √ |
| Introduction to anaesthesia for emergency surgery | √ | | √ | √ |
| Management of respiratory and cardiac arrest | √ | | √ | √ |
| Control of infection | √ | | √ | √ |
| Basic anaesthesia | | | | |
| Airway management | √ | | √ | √ |
| Critical incidents | √ | | √ | √ |
| Day surgery | √ | | √ | √ |
| General, urological and gynaecological surgery | √ | √ | √ | √ |
| Head, neck, maxillo-facial and dental surgery | √ | | √ | √ |
| Intensive care medicine | See Annex F | | | |
| Non-theatre | √ | | √ | √ |
| Obstetrics | √ | | √ | √ |
| Orthopaedic surgery | √ | | √ | √ |
| Paediatrics | √ | | √ | √ |
| Child protection | √ | | √ | √ |
| Pain medicine | √ | | √ | √ |
| Regional | √ | | √ | √ |
| Sedation | √ | | √ | √ |
| Transfer medicine | √ | | √ | √ |
| Trauma and stabilisation | √ | | √ | √ |

Blueprint of workplace based assessments mapped against the intermediate level units of training

| Unit of Training | A-CEX | ALMAT | CBD | DOPS |
|--|-------------|-------|-----|------|
| Essential units | | | | |
| Anaesthesia for neurosurgery, neuroradiology and neuro critical care | √ | | √ | √ |
| Cardiothoracic anaesthesia and cardiothoracic critical care | √ | | √ | √ |
| General duties* | | | | |
| Airway management | √ | √ | √ | √ |
| Critical incidents | | | √ | |
| Day surgery | √ | √ | √ | |
| General, urological and gynaecological surgery | √ | √ | √ | |
| Head, neck, maxillo-facial and dental surgery | √ | √ | √ | |
| Management of respiratory and cardiac arrest** | | | | √ |
| Non-theatre | √ | | √ | |
| Orthopaedic surgery | √ | √ | √ | |
| Regional | √ | √ | √ | √ |
| Sedation | √ | √ | √ | |
| Transfer medicine | √ | √ | √ | |
| Trauma and stabilisation | √ | √ | √ | |
| Intensive care medicine | See Annex F | | | |
| Obstetrics | √ | | √ | √ |
| Paediatric | √ | | √ | √ |
| Pain medicine | √ | | √ | √ |
| Optional units | | | | |
| Ophthalmic | √ | | √ | √ |
| Plastics/Burns | √ | | √ | √ |
| Vascular surgery | √ | | √ | √ |

* Assessment requirements for General Duties:

- Option of A-CEX or ALMAT for each unit blueprinted with both types of assessment
- Minimum of 3 CBD
- Airway course with assessment can replace DOPS for Airway Management

** Current ALS/ATLS/APLS can replace DOPS for Management of Cardiac and Respiratory Arrest

Blueprint of workplace based assessments mapped against the higher level units of training

| Unit of Training | A-CEX | ALMAT | CBD | DOPS |
|--|-------------|-------|-----|------|
| Essential units | | | | |
| Anaesthesia for neurosurgery, neuroradiology and neuro critical care | √ | | √ | |
| Cardiothoracic anaesthesia and cardiothoracic critical care | √ | | √ | |
| General duties* | | | | |
| Airway management | √ | √ | | √ |
| Day surgery | √ | √ | √ | |
| Head, neck, maxillo-facial and dental | √ | √ | √ | |
| General, urological and gynaecological surgery | √ | √ | √ | |
| Management of respiratory and cardiac arrest | √ | | √ | |
| Non-theatre | √ | | √ | |
| Obstetrics | √ | √ | √ | |
| Orthopaedic | √ | √ | √ | |
| Regional | √ | √ | √ | √ |
| Sedation | √ | √ | √ | |
| Transfer medicine | √ | √ | √ | |
| Trauma and stabilisation | √ | √ | √ | |
| Vascular | √ | √ | √ | |
| Intensive care medicine | See Annex F | | | |
| Paediatric | √ | | √ | |
| Optional units | | | | |
| Pain medicine | √ | √ | √ | √ |
| Paediatric intensive care medicine | √ | | √ | |
| Ophthalmic | √ | √ | √ | |
| Plastics/Burns | √ | √ | √ | |
| Anaesthesia in developing countries | √ | | √ | |
| Conscious sedation in dentistry | √ | | √ | |
| Military anaesthesia | √ | | √ | |
| Remote and rural | √ | | √ | |

* Assessment for General Duties:

- Option of A-CEX or ALMAT for each unit blueprinted with both types of assessment
- Minimum of 3 CBD

Blueprint of workplace based assessments mapped against the advanced level units of training

| Unit of Training | A-CEX | ALMAT | CBD | DOPS |
|--|-------------|-------|-----|------|
| Advanced training | | | | |
| Domain 1 – Clinical practice | √ | √ | √ | |
| Domain 2 – Team working | | √ | | |
| Domain 3 - Leadership | | | | |
| Domain 4 - Innovation | | | | |
| Domain 5 - Management | | | | |
| Domain 6 - Education | | | | |
| Anaesthesia for neurosurgery, neuroradiology and neuro critical care | √ | √ | √ | |
| Cardiothoracic anaesthesia and cardiothoracic critical care | √ | √ | √ | |
| General duties | | | | |
| Airway management | √ | | | √ |
| Head, neck, maxillo-facial and dental | √ | √ | | |
| General, urological and gynaecological surgery | | √ | | |
| Hepatobiliary surgery | √ | √ | √ | |
| Vascular | √ | √ | √ | |
| Day surgery | √ | √ | | |
| Sedation and conscious sedation for dentistry | √ | | | |
| Orthopaedic surgery | √ | √ | | |
| Regional | √ | √ | | √ |
| Trauma and stabilisation | √ | | | |
| Transfer | √ | | | √ |
| Intensive care medicine | See Annex F | | | |
| Obstetrics | √ | √ | √ | |
| Paediatrics | √ | √ | √ | √ |
| Paediatric intensive care medicine | √ | | √ | |
| Pain medicine | √ | | √ | √ |
| Plastic/burns | √ | √ | √ | |